MICCAI 2018 Granada SPAIN — Breast Image Analysis

4th MICCAI-BIA Workshop

Call for Papers

After a hiatus of two years, we will hold the 4th edition of the Breast Image Analysis (BIA) workshop in conjunction with MICCAI 2018. The aim of BIA is to bring together the growing number of researchers in the field given the significant amount of effort in the development of tools that can automate the analysis and synthesis of breast imaging.The main purpose of the workshop is to provide a stimulating environment for an in-depth discussion of important recent developments among experts in the field that enables future research impact in the field. Proceedings published by SPRINGER under the "Lecture Notes in Computer Science" book series. Authors will be invited to contribute to a chapter in a book about Breast Image Analysis.

Topics included but not limited to:

- Computer-aided detection and diagnosis of breast cancer
- Models for breast deformation
- Multi-modality breast image registration, analysis and fusion
- Quantitative analysis of breast imaging modalities
- Predicting and measuring response to treatment
- Planning, simulation and guidance for breast surgery and outcome prediction
- Relating imaging biomarkers to risk factors and non-imaging information
- Research related to the elucidation and improvement of clinical workflows
- Breast density and parenchymal pattern analysis and risk assessment
- Large scale breast image screening and analysis

Important Dates

1. May 18th: results released for MICCAI'18 papers
2. June 11th (11.59pm PST): BIA18 paper submission deadline
3. July 11th: BIA18 paper notification of acceptance
4. July 17th: BIA18 Camera-ready version submission
5. Workshop Date: TBD (Half day)

Invited Speakers

- Anne Martel - Sunnybrook Health Sciences Centre
- Orcun Goksel - ETH Zurich
- Markus Wenzel - Fraunhofer Institute for Medical Image Computing MEVIS

Website

https://cs.adelaide.edu.au/~bia2018/

Organization

- Gabriel Maicas - The University of Adelaide, Australia
- Gustavo Carneiro - The University of Adelaide, Australia
- Andrew P. Bradley - Queensland University of Technology, Australia
- Jacinto C. Nascimento - Instituto Superior Tecnico, Portugal
- Hang Min - The University of Queensland, Australia